NATIONAL INSTITUTE FOR RESEARCH-DEVELOPMENT AND TESTING IN ELECTRICAL ENGINEERING
I C M E T - CRAIOVA

TYPE TEST REPORT
No. 13464 / 28.11.2019

We, hereby, verify that the under mentioned electrical product submitted to the tests in our laboratory, in July 2019, is in compliance with the related clauses and sub-clauses of standard IEC 62271-100 as mentioned in the attached TEST REPORT.

Name of product	**24 kV / 1250 A / 25 kA Vacuum Circuit Breaker**
Manufacturer	**JSC "PO ELTECHNICA"**
	Vacuum Circuit Breaker
Model/Type	**VF24-S-20-25-B-1250-00.00 Y3**
Serial Number	**13413/2019**
Technical characteristics established by producer	
Rated voltage	24 kV
Rated current	1250 A
Number of poles	3
Rated frequency (fr)	50 Hz
Rated operating sequence	O-0.3s-CO-3min-CO
Short-time withstand current	25 kA
Peak withstand current	63 kA
Rated duration of short-circuit	3 s
Short-circuit making current	25 kA
Short-circuit breaking current	63 kA
Class	M2-C2

The product passed successfully the following type tests:

- **24 kV / 1250 A / 25 kA Three-poles Vacuum Circuit Breaker acc. to IEC 62271-100**

No	Test type / IEC clause	Test result	Test Report No.
1.	**Dielectric tests**	**Passed the test**	**46808**
1.1	Lightning impulse voltage test , cl. 6.2.6.2		
1.2	Power frequency voltage test - dry, cl. 6.2.6.1		
1.3	Dielectric test on auxiliary circuit, cl. 6.2.10		
2	**Measurement of the resistance of the main circuit, cl.6.4**	**Passed the test**	**13034**
3	**Temperature rise test, cl. 6.5**		
4	**Short-time withstand current and peak withstand current test ,cl. 6.6**		

No	Test type / IEC clause	Test result	Test Report No.
5	Mechanical endurance on circuit breaker, cl. 6.101.2.4	Passed the test	13035
6	Basic short-circuit test duties T10, T30, T60, T 100s in cycles: O-0.3s-CO-3min-CO T100a in cycles: 0-3 min-0-3min-0, cl.6.106	Passed the test	13034
7	Single phase and double earth fault test, cl 6.108 in cycle O		

NOTE: *The test parameters can be found in the test reports listed above.*

General Manager
PhD. Lucian Pricina

MINISTERUL EDUCAȚIEI ȘI CERCETĂRII
INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE ȘI ÎNCERCĂRI PENTRU ELECTROTEHNICĂ ICMET CRAIOVA 1

Technical Manager of
Low and High Voltage Laboratory

Dipl. Eng. Ion BURCIU

Technical Manager of
High Power Laboratory

Phys. Daniel TRUTA

ICMET Craiova
www. icmet.ro
B-dul Decebal 118A
Craiova, 200746
Phone: + 40 351 404 888
Fax: + 40 351 404 890